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Application No. 10/603,018
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AMENDMENTS TO THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-20.   (Previously Canceled)

21.   (Previously Presented) A method for controlling a device for setting a material placed on a textile, comprising the steps of:

receiving a power intensity value;

initiating a counter;

incrementing the counter by the power intensity value;

determining whether the counter is greater than a base resolution; and,

generating a power intensity output signal based on a determination that the counter is greater than the base resolution.

22.   (Previously Presented) The method of Claim 21, wherein the steps of the method are repeated continuously until the expiration of a predetermined period of time.

23.   (Previously Presented) The method of Claim 21, further comprising the step of:

selecting the power intensity value via a power intensity selector.

24.   (Previously Presented) The method of Claim 21, further comprising the steps of:

determining a feature of the device; and,

generating a shutdown signal based on a determination that the feature has exceeded a predetermined threshold value.

25.   (Previously Presented) The method of Claim 21, further comprising the step of:

re-initiating the counter after generating the power intensity output signal.

26.   (Previously Presented) The method of Claim 21, further comprising the step of:

transmitting the power intensity output signal to a device for setting the material.

27.   (Previously Presented) The method of Claim 21, further comprising the step of:

selecting at least one of a plurality of lamps to receive the power intensity output signal.

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28.   (Previously Presented) A system for controlling a device for setting a material placed on a textile, the device operably connected to a programmable logic controller comprising:

a power intensity value;

an application module for:

initiating a counter;

incrementing the counter by the power intensity value;

determining whether the counter is greater by a base resolution; and,

generating a power intensity output signal based on a determination that the counter is greater than the base resolution.

29.   (Previously Presented) The system of Claim 28, wherein a shutdown signal is generated for the system upon the expiration of a predetermined period of time.

30.   (Previously Presented) The system of Claim 29, further comprising a time cycle selector for determining the predetermined period of time.

31.   (Previously Presented) The system of Claim 28, further comprising a power intensity selector for determining the power intensity value.

32.   (Previously Presented) The system of Claim 28, further comprising a sensor for determining a feature of the system.

33.   (Previously Presented) The system of Claim 32, further comprising an actuator for generating a shutdown signal upon a determination that the feature has exceeded a predetermined threshold value.

34.   (Previously Presented) The system of Claim 28, wherein the application module is also for re-initiating the counter after generating the power intensity output signal.

35.   (Previously Presented) The system of Claim 28, wherein the application module is also for transmitting the power intensity output signal to a device for setting the material.

36.   (Previously Presented) The system of Claim 28, further comprising a selector for selecting at least one of a plurality of lamps to receive the power intensity output signal.

37.   (Currently Amended) A system for controlling a device for setting material placed on a textile, the device operably connected to a programmable logic controller comprising:

a power intensity selector for selecting a power intensity value;

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a time cycle selector for selecting a duration value;

a temperature selector for selecting a temperature value;

a base resolution selector for selecting a base resolution;

a selector for selecting at least one of a plurality of lamps to receive the power intensity output signal; and

an application module configured to comprising logic for: initiating initiate a counter; incrementing increment the counter by the power intensity value; determining determine whether the counter is greater than the base resolution; upon a determination that the counter is greater than the base resolution, generating generate a power intensity output signal and decrementing the counter by the base resolution; otherwise, increment incrementing the counter by the power intensity value; sensing sense the temperature of an element of the system; determining determine whether the temperature of the element of the system has exceeded the temperature value; upon a determination that the temperature of the element of the system has exceeded the temperature value, generating generate a system shutdown signal; determining determine whether the counter has exceeded the duration value; and, upon a determination that the counter has exceeded the duration value, generating generate a system shutdown signal.